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Attorney's Docket No. 9052-70

PATENT

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8-29-01
DRS
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IN THE UNITED STATES DESIGNATED OFFICE (DO/US)

In re: Application of Raginskii et al.
Serial No.: To be Assigned
Filed: Concurrently Herewith
For: *APPARATUS FOR DISSOLVING
NUCLEAR FUEL*

Date: December 1, 2000

BOX PCT
Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

Prior to the examination of the above application and calculation of claim fees, please amend the above-identified application as follows:

In the Specification:

Please add the following abstract subsequent to the claims.

Abstract of the Disclosure

A nuclear fuel dissolution apparatus which comprises a perforated sloping ramp contained within a process chamber for containing solvent for the fuel, a pulsation member which in use creates pulses in solvent in the process chamber, the perforations being designed to direct pulses of solvent along and up the ramp, and a discharge point for fuel hulls disposed at an upper region of the ramp is characterised in that the ramp is made out of flat blades and the perforations of the ramp comprise inclined slits formed between the blades.

In the Claims:

1. (Amended) A nuclear fuel dissolution apparatus which comprises a perforated sloping ramp **[(19)]** contained within a process chamber **[(1)]** for containing solvent for the fuel, a pulsation member **[(9)]** which in use creates pulses in solvent in the process chamber **[(1)]**, the perforations **[(7)]** being

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